Species/Strain: RATS/F 344/N

Test Type: 90-DAY

Route: GAVAGE

#### P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]

beta-Myrcene

**CAS Number:** 123-35-3

Time Report Requested: 12:50:40 First Dose M/F: 01/29/01 / 01/30/01

Date Report Requested: 06/08/2009

Lab: BAT

F2\_R2

C Number: C99023

**Lock Date:** 10/17/2001

Cage Range: ALL

Date Range: ALL

**Reasons For Removal:** ALL

Removal Date Range: ALL

Treatment Groups: Include ALL

Study Gender: Both

**TDMSE Version:** 2.1.0

Species/Strain: RATS/F 344/N

Test Type: 90-DAY

Route: GAVAGE

# P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]

beta-Myrcene

**CAS Number:** 123-35-3

Time Report Requested: 12:50:40

First Dose M/F: 01/29/01 / 01/30/01

Date Report Requested: 06/08/2009

FISCHER 344 RATS MALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	2.0 G/KG	4.0 G/KG
Disposition Summary						
Animals Initially in Study	10	10	10	10	10	10
Early Deaths Dosing Accident Moribund Sacrifice			1	1		2
Natural Death					2	8
Survivors Terminal Sacrifice Animals Examined Microscopically	10 10	10 10	9 10	9 10	8 10	10
ALIMENTARY SYSTEM						
Esophagus	(10)	(0)	(1)	(1)	(10)	(10)
Perforation Intestine Small, Jejunum	(10)	(0)	1 [4.0] (1)	(1)	(10)	(10)
Atrophy Liver	(10)	(0)	(2)	(1)	2 [2.0] (10)	(10)
Fibrosis, Focal Hepatodiaphragmatic Nodule	1	,	1	,	1 [1.0]	,
Inflammation, Chronic		(0)		(0)	1 [1.0]	(0)
Oral Mucosa Inflammation, Chronic	(0)	(0)	(0)	(0)	(2) 1 [2.0]	(0)
Pancreas Acinus, Atrophy	(10) 1 [1.0]	(0)	(1)	(1)	(10) 1 [1.0]	(10)
Stomach, Forestomach Inflammation, Acute Ulcer	(10)	(0)	(1)	(10)	(10) 1 [1.0]	(10) 9 [2.3] 5 [2.4]
CARDIOVASCULAR SYSTEM						
Heart Inflammation, Chronic Active	(10) 5 [1.0]	(0)	(1)	(1)	(10)	(10)
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(1)	(1)	(10)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Species/Strain: RATS/F 344/N

Test Type: 90-DAY

Route: GAVAGE

# P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]

beta-Myrcene

**CAS Number:** 123-35-3

Date Report Requested: 06/08/2009

Time Report Requested: 12:50:40 First Dose M/F: 01/29/01 / 01/30/01

Lab: BAT

FISCHER 344 RATS MALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	2.0 G/KG	4.0 G/K
Hemorrhage Hyperplasia, Focal	2 [1.0]				1 [2.0]	
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Epididymis	(10)	(0)	(1)	(1)	(10)	(10)
Degeneration Preputial Gland	(10)	(0)	(1)	(1)	1 [4.0] (10)	(10)
Inflammation, Suppurative Seminal Vesicle	(10)	(0)	(1)	(1)	(10)	1 [4.0 (9)
Atrophy Testes	(10)	(0)	(1)	(1)	1 [4.0] (10)	(10)
Germinal Epithelium, Degeneration	(10)	(0)	(1)	(1)	1 [2.0]	(10)
EMATOPOIETIC SYSTEM						
Lymph Node	(1)	(2)	(4)	(1)	(0)	(0)
Deep Cervical, Ectasia Deep Cervical, Hyperplasia, Lymphoid	1 [2.0] 1 [3.0]	2 [3.0] 2 [2.0]	4 [1.5] 4 [2.8]	1 [2.0] 1 [3.0]		
Lymph Node, Mesenteric	(10)	(0)	(1)	(1)	(10)	(10)
Atrophy Spleen	(10)	(10)	(10)	1 [1.0] (10)	6 [1.7] (10)	(10)
Atrophy	(10)	(10)	1 [2.0]	(10)	10 [1.8]	10 [4.
Thymus	(10)	(0)	(1)	(10)	(9)	(10)
Atrophy Necrosis					1 [3.0]	1 [3.0 9 [3.8

#### MUSCULOSKELETAL SYSTEM

None

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Species/Strain: RATS/F 344/N

Test Type: 90-DAY

Route: GAVAGE

## P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]

beta-Myrcene

**CAS Number:** 123-35-3

Time Report Requested: 12:50:40

First Dose M/F: 01/29/01 / 01/30/01

Date Report Requested: 06/08/2009

FISCHER 344 RATS MALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	2.0 G/KG	4.0 G/KG
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Lung Congestion	(10)	(0)	(1)	(1) 1 [2.0]	(10)	(10)
Inflammation, Suppurative Inflammation, Chronic	5 [1.0]			1 [2.0]	1 [3.0] 3 [1.3]	
Metaplasia, Osseous	1 [1.0]					
Bronchus, Infiltration Cellular, Polymorphonuclear					1 [2.0]	
Nose Inflammation, Suppurative	(10)	(10)	(10)	(10) 1 [1.0]	(10) 3 [1.0]	(10) 7 [2.0]
Inflammation, Chronic Metaplasia, Squamous			1 [1.0]	6 [1.0]	8 [1.1]	
Olfactory Epithelium, Degeneration Respiratory Epithelium, Necrosis				2 [1.0]	8 [2.6]	2 [1.5] 9 [3.6] 9 [3.6]
SPECIAL SENSES SYSTEM						
Eye Anterior Chamber, Cornea, Inflammation, Suppurative	(10)	(0)	(1)	(1)	(10) 1 [3.0]	(10)
Harderian Gland Pigmentation, Porphyrin	(10) 1 [1.0]	(10) 3 [1.0]	(10) 7 [1.0]	(10) 8 [1.1]	(9) 9 [1.3]	(10) 10 [3.7]
URINARY SYSTEM						
Kidney	(7)	(10)	(9)	(10)	(10)	(10)
Nephropathy Nephrosis	7 [1.0]	10 [1.0]	9 [1.3] 1 [1.0]	8 [1.0] 10 [1.0]	9 [1.9] 9 [2.7]	1 [1.0]
Renal Tubule, Accumulation, Hyaline Droplet		10 [2.0]	9 [2.4]	10 [2.1]	-	
Renal Tubule, Degeneration		10 [1.0]	9 [1.1]			

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Species/Strain: RATS/F 344/N

Test Type: 90-DAY

Route: GAVAGE

# P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]

beta-Myrcene

**CAS Number:** 123-35-3

Date Report Requested: 06/08/2009

Time Report Requested: 12:50:40
First Dose M/F: 01/29/01 / 01/30/01

Lab: BAT

FISCHER 344 RATS MALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	2.0 G/KG	4.0 G/KG
Renal Tubule, Necrosis					1 [4.0]	1 [2.0]

\*\*\* END OF MALE \*\*\*

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Species/Strain: RATS/F 344/N

Test Type: 90-DAY

Route: GAVAGE

# P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]

beta-Myrcene

**CAS Number:** 123-35-3

Date Report Requested: 06/08/2009

Time Report Requested: 12:50:40 First Dose M/F: 01/29/01 / 01/30/01

Lab: BAT

FISCHER 344 RATS FEMALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	2.0 G/KG	4.0 G/KG
Disposition Summary						
Animals Initially in Study	10	10	10	10	10	10
Early Deaths Dosing Accident Moribund Sacrifice Natural Death Survivors				1	2 2	1 1 8
Terminal Sacrifice Animals Examined Microscopically	10 10	10 10	10 10	9 10	6 10	10
Animais Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Intestine Small, Ileum Atrophy	(10)	(0)	(0)	(1)	(10) 1 [3.0]	(10)
Intestine Small, Jejunum Atrophy	(10)	(0)	(0)	(1)	(10) 1 [3.0]	(10)
Liver Fibrosis, Focal	(10)	(1)	(1)	(2) 1 [1.0]	(10)	(10)
Hepatodiaphragmatic Nodule Inflammation, Chronic	1 [1.0]	1	1	1 1 1 [1.0]	1 (4.0)	
Bile Duct, Hyperplasia Mesentery Fat, Necrosis	(0)	(1) 1 [2.0]	(0)	(0)	1 [1.0] (0)	(0)
Pancreas Acinus, Atrophy, Focal	(10) 1 [1.0]	(0)	(0)	(1)	(10)	(10)
Stomach, Forestomach Inflammation, Acute Ulcer	(10)	(0)	(0)	(10)	(10) 4 [1.8] 2 [2.5]	(10) 10 [2.8] 3 [2.3]
CARDIOVASCULAR SYSTEM						
Heart Inflammation, Chronic Active	(10) 1 [1.0]	(0)	(0)	(1)	(10)	(10)

#### **ENDOCRINE SYSTEM**

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Species/Strain: RATS/F 344/N

Test Type: 90-DAY

Route: GAVAGE

## P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]

beta-Myrcene

**CAS Number:** 123-35-3

Date Report Requested: 06/08/2009

Time Report Requested: 12:50:40 First Dose M/F: 01/29/01 / 01/30/01

FISCHER 344 RATS FEMALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	2.0 G/KG	4.0 G/KG
None						
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Uterus Endometrium, Hyperplasia, Cystic	(10) 1 [1.0]	(0)	(0)	(1)	(10) 1 [1.0]	(10)
HEMATOPOIETIC SYSTEM						
Lymph Node Deep Cervical, Ectasia Deep Cervical, Hyperplasia, Lymphoid Lymph Node, Mesenteric Atrophy Spleen Atrophy Thymus Atrophy Hemorrhage Necrosis	(1) 1 [3.0] 1 [3.0] (10) (10)	(3) 3 [2.0] 3 [1.7] (0) (0)	(5) 4 [1.5] 5 [2.4] (0) (10) (1) 1 [2.0]	(1) 1 [3.0] (3) 2 [1.0] (10) 1 [1.0] (10)	(1) 1 [1.0] 1 [3.0] (10) 4 [1.8] (10) 10 [1.8] (10) 1 [3.0] 3 [1.3]	(0) (10) (10) 10 [3.8] (10) 8 [2.6]
NTEGUMENTARY SYSTEM None						
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Species/Strain: RATS/F 344/N

Test Type: 90-DAY

Route: GAVAGE

## P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]

beta-Myrcene

**CAS Number:** 123-35-3

Time Report Requested: 12:50:40 First Dose M/F: 01/29/01 / 01/30/01

Date Report Requested: 06/08/2009

FISCHER 344 RATS FEMALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	2.0 G/KG	4.0 G/KG
RESPIRATORY SYSTEM						
Lung Inflammation, Chronic Metaplasia, Osseous Alveolus, Necrosis, Acute Vein, Thrombosis	(10) 4 [1.0] 1 [1.0]	(0)	(0)	(1) 1 [2.0]	(10) 4 [1.0] 1 [1.0]	(10) 1 [1.0] 1 [4.0]
Nose Inflammation, Suppurative Inflammation, Chronic Olfactory Epithelium, Degeneration	(10)	(0)	(10)	(10) 1 [1.0] 9 [1.0] 2 [1.5]	(10) 6 [1.7] 4 [1.5] 7 [2.9]	(10) 9 [1.8] 10 [3.8]
Respiratory Epithelium, Necrosis Trachea Inflammation, Chronic	(10)	(0)	(0)	1 [1.0] (1)	2 [2.5] (10) 1 [2.0]	10 [3.8] (10)
SPECIAL SENSES SYSTEM						
Eye Cataract Posterior Chamber, Exudate Retina, Atrophy	(10)	(0)	(0)	(1)	(10) 1 [3.0] 1 [4.0] 1 [2.0]	(10)
Harderian Gland Pigmentation, Porphyrin Lacrimal Gland Epithelium, Degeneration	(10) 3 [1.0] (0)	(10) 4 [1.0] (0)	(10) 2 [1.0] (0)	(10) 4 [1.0] (0)	(10) 5 [1.6] (0)	(10) 10 [4.0] (1) 1 [1.0]
JRINARY SYSTEM						
Kidney Atrophy	(10)	(10)	(10)	(10)	(10)	(10) 1 [4.0]
Nephropathy Nephrosis Renal Tubule, Degeneration	1 [1.0]	2 [1.0] 10 [1.0]	3 [1.0] 10 [1.0]	4 [1.0] 10 [1.0]	1 [1.0] 7 [1.1]	1 [4.0]
Renal Tubule, Mineralization Renal Tubule, Necrosis		2 [1.0]	1 [1.0]	1 [1.0]	1 [1.0] 2 [3.5]	1 [1.0] 2 [4.0]

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)

Species/Strain: RATS/F 344/N

Test Type: 90-DAY

Route: GAVAGE

## P18: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a) WITH AVERAGE SEVERITY GRADES[b]

beta-Myrcene

**CAS Number:** 123-35-3

Date Report Requested: 06/08/2009

Time Report Requested: 12:50:40 First Dose M/F: 01/29/01 / 01/30/01

Lab: BAT

FIGURE 044 BATO FEMALE	0.0440	0.05.04/0	0.5.00//0	4.0.00//0	0.000/0	4.0.00//.0
FISCHER 344 RATS FEMALE	0 G/KG	0.25 G/KG	0.5 G/KG	1.0 G/KG	2.0 G/KG	4.0 G/KG

\*\*\* END OF REPORT \*\*\*

a - Number of animals examined microscopically at site and number of animals with lesion

b - Average severity grade (1-minimal; 2-mild; 3-moderate; 4-marked)